

Appendix A

Abstract:

The invention relates to a method for the production and allocation of nucleic acids and polypeptides coded thereby. Said method can be used for evolutionary selection of polypeptides *in vitro*. The inventive method makes it possible to allocate nucleic acids to the polypeptides coded thereby and to select and isolate nucleic acids coding for polypeptides with selected properties. The invention is directed to the use of (cytosin-5)-methyl transferases and to the use of fusion polypeptides or nucleic acid fusion polypeptide complexes covalently bonded thereto according to the inventive method.